

Interaction of Urea With Bivalent Metal Sulfates
I. 0°, 30°, and 45° Isotherms of the Water--Urea--
Manganese Sulfate Systems, by K. Sulaymankulov, I. B
Druzhinin, A. G. Bergman, 11 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol II, No 11, 1957
pp 2668-2675.

AEC-tr-4061
PL-480

Sci

Jun 61

FST 88

155, 384

The Interaction of Silver Nitrates With Chlorides of
Alkaline Earth Metals in the Absence of a Solvent,
by A. G. Bergman, M. V. Tokareva, 11 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol II, No 5, 1957.
pp 1086-1093.

ABC-tr-4055
PL-480

Sci

155,318

Jun 61

PST 82

Fusion Diagram for the Quaternary System - Li_2Cl_2 -
 Na_2Cl_2 - K_2Cl_2 - Li_2SO_4 , by E. K. Akopov, A. G. Bergman,
18 pp.

RUSSIAN, per, Zhur Georg Khim, Vol II, No 2, 1957,
pp 383-394.

AEC-tr-4052

PL - 480

Sci

Apr 61

145,206

FBI No 79

Solubility Polytherm in the System Water-Urea-Zinc-Sulfate, by A. G. Bergman, K. Sulaymankulov, 8 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 12, 1957, pp 2813-2818.

AEC-tr-4062
PL-480

Sci - Chem

May 61

PST No 89

152, 648

Fusion Diagram of the Reciprocal System of Chlorides
and Iodides of Cadmium and Potassium, by A. G.
Bergman, I. I. Il'yasov, 15 pp.

RUSSIAN, per, Zhur Georg Khim, Vol II, No 2, 1957,
pp 395-406.

AEC-tr-4052

PL-480

Sci

Apr 61

PBT No 79

145,207

Fusion Diagram for the System of Bromides and Chlorides
of Potassium and Thallium, by I. I. Il'yasov, L. V.
Rozhikovskaya, A. G. Bergman, 7 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 8, 1957,
pp 1883-1887.

AEC-tr-4058

PL - 480

Sci

Apr 61

PST No 85

145,253

Bergman, A. G. and Bukhalova, G. A.
THERMOCHEMICAL INTERRELATIONS IN TERNARY
RECIPROCAL SYSTEMS WITH COMPLEX FORMATION
40p (30 figs omitted) 20refs
Order from OTS, SLA, or ETC \$3.60 TT-64-16438

Trans. of [Akademiya Nauk SSSR. Sektor Fiziko-Khimi-
cheskogo Analiza. Izvestiya. 1952, v. 21, p.
228-249.
Another trans. is available from K-H \$50.00 as
K-H-5035 a 40p.

(Chemistry--Physical, TT, v. 12, no. 3)

TT-64-16438

I. Bergman, A. G.
II. Bukhalova, G. A.

6034

Office of Technical Services

Complex Formation and Phase Transformation in the
RECI Procecal Quaternary System of the Chlorides
and Sulfates of Lithium, Sodium, and Potassium, by
E. K. Akopov, A. G. Bergman, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 3,
pp 549-552.

CB

126,390

Sci
Aug 60

Physicochemical Analysis of Systems Containing Salts
of Organic Acids. I. Reciprocal System of Sodium
and Potassium Chlorides and Acetates, by I. I.
Il'yasov, A. G. Bergman, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 2, 1960,
pp 355-358.

CB

Sci

Apr 61

144,543

Complex Compounds in the Reciprocal Lithium, Sodium,
and Potassium Chloride - Sulphate Quaternary System,
by E. K. Abayov, A. G. Bergman, 4 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol V, No 6, 1960,
pp 1257-1266.

Cleaver-Hume Press

Possibly *ATIC MCL-755/2

Sci

Mar 61

142,354

Reciprocal System of Fluorides and Metavanadates of Sodium and Potassium, by M. A. Zakharchenko, A. G. Bergman, 9 pp.

RUSSIAN, per, Zhur Georg Khin, Vol II, No 4, 1957, pp 877-882.

AEC-tr-4054
PL-480

Sci

Apr 61

PST No 61

146,347

The Chloride, Bromide, Iodide Ternary Systems
of Cadmium and of Lead, by I. I. Il'yasov, A. G. K
Bergman, 3 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 9, 1961,
pp 2142-2147.

Cleaver-Hume Press Ltd.

Sci
Oct 62

213,8569

Fusion Diagram of the Reciprocal System of the
Fluorides and Silicates of Lithium and Potassium,
by A. G. Bergman, N. A. Bychkova-Stul'ga, 20 pp.

RUSSIAN, per, Zhur Georg Khim, Vol II, No 1,
1957, pp 179-192.

AMC Tr-4051
FL-480

Sci - Chem
Feb 61
FEB-78

138,305

On Difficult Complex Formation in a Tetra Mutual
System of Lithium, Sodium and Potassium Chlorides
and Sulphates, by Ye. K. Akopov, A. G. Bergmen,
13 pp.

RUSSIAN, per, Zhur Neorganicheskoy Khim, Vol V,
No 6, 1960, pp 1257-1266. 9660214

ATIC MCL 755

Sci

Mar 61

144, 254

Ternary System of Urea and Sodium and Potassium
Acetates, by A. K. Nesterova, A. G. Bergman, ⁴ pp.

RUSSIAN, per, Zhur Obshch, Vol XXX, No 1, 1960.
pp 317-320.

CB

So1

Feb 61

144, 145

- 1 The Fusion Diagram in the System of the Nitrates and Chlorides of Barium and Calcium, 9 pp.
 - 2 The Fusion Diagram of the System of Potassium and Strontium Nitrates and Chlorides, by M. V. Tokareva, A. G. Bergman, 17 pp.
- RUSSIAN, per, Zhur Georg Khim, Vol II, No 8, 1957, pp 1888-1894; 1895-1905.

ABC-tr-4058

Sci

143,594

Apr

PBT No 85

- 1 Fusibility Diagram for the Ternary System of the Chromate, Metaborate and Tetraborate of Potassium, 9 pp.
- 2 Fusibility Diagram for the System of the Chromates and Tetraborates of Sodium and Potassium, by A. G. Bergman, O. R. Vartbaronov, 9 pp.

RUSSIAN, per, Zhur Georg Khim, Vol II, No 3, 1957, pp 642-647; 648-654.

AEC-tr-4053

149,596

Sci

Apr

PST No 80

Formation of Complexes and Solid Solutions
in the Ternary System of Potassium Rubidium
and Magnesium Fluorides, by E. P. Darguncv,
A. G. Bergian. USCL

RUSSIAN, per, Zhur Fiz Khim, Vol XXII, No 5,
1948, pp 625-632.

DSIR LIU M.1320

(loan)

Sci - Chem
May 60

116,510

An Investigation of the Interaction of Melts
of the Sulfates of Sodium, Potassium, Magnesium
and Calcium, by S. N. Mukimov, N. I. Krylova,
A. G. Bergman, 22 pp.

RUSSIAN, per, Trudy Inst Khim Ak Nauk Uzbek SSR,
No 2, 1949, pp 94-112.

ABC UZRL-Trans-568(L)

Sci - Chem
24 Feb 61

141, 158

Investigation of Organic-Acid Salts. II. The
Ternary System, by I. I. Il'yasov, A. G. Bergman,
4 pp

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 4,
1960, pp 1075-1077

CB

Sci
May 61

154, 071

The Ternary System NaBr - CdBr₂-PbBr₂, by
I. I. Ilyasov, G. G. Shchemeleva, A. G. G. Boronov,
1 p.

RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 4,
1959, pp 906-908.

Sci. - Chem
Jun 60

Cleaver-Hume Press Ltd.
London

106,531

Complex Formation in the Reciprocal System
Cadmium and Thallium Chlorides and Iodides,
by I. T. Ilyasov, A. G. Bergman, 2 p.

RUSSIAN, per, Zhur Georg KMin, Vol IV, No 4,
1959, pp 913-919.

Cleaver-Hume Press Ltd.
London

Sci - Chem
Jan 60

106,532

Physicochemical Study of the Equilibrium of the
Aqueous Reciprocal System of Potassium and Ammonium
Nitrates, Monophosphates and Chlorides (Nitro-
phoska 1"), by A. G. Bergman, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, No 1, 1938,
pp 229-234.

5

SLA R-2510

Sci
Apr 59

84,751

The Irreversible Reciprocal System of Sodium and
Potassium Chromates and Metaborates, by A. G.
Bergman, O. R. Vartbaronov, 9 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol II, No 11, 1957.
pp 2541-2548.

AEC-tr-4061
PL-480

Sci

Jan 61

PSI 88

155,388

The Encodings of Magnesium Trichloride Compounds,
by A. G. Sargan, I. P. Vyrodov, 6 pp.

RESEARCH, for, that Field Unit, Vol XXII, No 1,
1952, pp 19-24

Consultants Bureau

Ref. - Chem

May 59

82,663

Fusion Diagram of the Quaternary Reciprocal System
NH₄, K// Cl, No 3, H₂ PO₄, by A. G. Bergman, V. P.
Radishchev, I. N. Nikonova, 39 pp.

RUSSIAN, per, Izvest Sektora Fiz-Khim Akad Nauk SSSR, Vol XV, 1944, pp 200-233.

SLA R-3051

Sci

Jul 59

92, 391

Physico-Chemical Investigation of the Manufacture
of Thermophosphates, by A. G. Bergman, 3 pp.

RUSSIAN, par, Zhur Prii Khim, Vol VII, 1934, pp
1125-1127.

SLA R-2986

Sci

Jul 59

92, 392

The Hardening of Sorel Cements, by I. P.
Vyrodov, A. G. Bergman, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 4,
1959, pp 716-723.

Consultants Bureau

Sci

Jun 60

117, 918

The Visual Polythermal Method For Studying
Crystallization of Glasses and Silicate Systems, by
A. G. Bergman, 3 pp.

RUSSIAN, bk. Proceedings of a Conference on the
Structure of Glass, Academy of Sciences USSR Press,
Moscow-Leningrad 23-2. Nov 1953, pp 245-247. 9042311

CB

Sci-- Chem

Oct 59

Physicochemical Analysis of the Glassy State, by
A. G. Bergman, 2 pp.

RUSSIAN, bk, Proceedings of a Conference on the
Structure of Glass, Academy of Sciences USSR Press,
Moscow-Leningrad 23-27 Nov 1953, pp 311-312. 9042311

CB

Sci - Chem

Oct 59

Fusion Diagram for the Ternary Reciprocal System
Formed by the Sulphates and Molybdates of Lithium
and Sodium, by A. G. Bergman, E. I. Korobka.

RUSSIAN, per, Zhur Neorgan Khim, Vol IV, No 1,
1959, pp 110-116.

The Cleaver-Hume Press Ltd

Sci - Chem
Jan 60

105,881

The Adlagonal Reciprocal System Formed by the
Fluorides and Sulphates of Sodium and Potassium,
by A. G. Bergman, V. V. Rubleva.

RUSSIAN, per, Zhur Neorgan Khim, Vol IV, No 1,
1959, pp 138-143.

The Cleaver-Hume Press Ltd

Sci - Chem
Jan 60

105,885

The Ternary Reciproval System Formed by the Sulphates
and Carbonates of Sodium and Potassium, by A. K.
Sementsova, K. A. Evdokimova, A. G. Bergman.

RUSSIAN, per, Zhur Neorgan Khim, Vol IV, No 1,
1959, pp 144-147.

The Cleaver-Hume Press Ltd

Sci - Chem
Jan 60

105,886

The Solubility Diagram for the Ternary System
 $\text{H}_2\text{O}-\text{HCl}-\text{CaCl}_2$ From the Temperature of Complete
Freezing to 300° , by A. G. Bergman, A. I.
Kuznetsova.

RUSSIAN, per, Zhur Neorgan Khim, Vol IV, No 1,
1959, pp 184-204.

9

The Cleaver-Hume Press Ltd

Sci - Chem
Jan 60

105,893

Physicochemical Fundamentals for Preparation of
Complex Potassium Fertilizers. The Polytherm of
the Tertiary System: $\text{KCl}-\text{NaCl}-\text{H}_2\text{O}$, by A. G.
Bergmann, L. B. Polyakova, 5 pp.

RUSSIAN, per, Khimiya SSSR, No 7, 1934, pp 32-34.

SLA R-2789

Sci

Jul 59

92, 393

External Components of the Fusion Diagram of
the Quaternary Reciprocal System NH_3 , KCl , HNO_3 ,
 H_2PO_4 , by A. G. Bergman, 54 pp.

RUSSIAN, par, Izvest Sektora Fiz Khim Anal, Inst
Obshchei i Neorg Khim, Akad Nauk SSSR, Vol IV,
1947, pp 157-199.

SLA R-2857

Sci

Jul 59

92,394

Nitrates

Physicochemical Investigation of the Aqueous Reciprocal System of Potassium Ammonium Nitrates and Monophosphates III. Polytherm of the Reciprocal System of Potassium and Ammonium Nitrates and Monophosphates, by P. F. Bochkarev, A. G. Bergman, 26 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Khim, ~~1940~~ 1940, pp 379-395.

SLA R-2940

Sci

Jul 59

92, 396

5

Complex Formation in a Quaternary Reciprocal System of
Chlorides, Sulfates, and Tungstates of Lithium and
Potassium, by A. G. Bergman, A. I. Kislova, B. I.
Pozypaiko, 9 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVIII, No. 8,
1954, pp 1489-1496.

LC or SIA 59-10064

Sci - Physics
Feb 59

1.80 ~~1.80~~

81,657

The Chemistry of Multicomponent Systems, by A. G. Bergman, 15 pp.

RUSSIAN, per, Iz Sektora Fiz-Khim Analiza Ak
Kauk, SSSR, Vol XIX, 1949, pp 113-119.

Sci Trans Center
RT-2196

Scientific - Chemistry Feb 55 CTS/DEK

21,482

Sulphate Nitrophoska I. II. Polytherm of the
Reversible Reciprocal System of Sulphates and
Nitrates of Potassium and Ammonium, by I. N.
Nikonova and A. G. Bergman, 11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XV, 1942, pp
437-446.

SLA R-2286

Sci

Aug 58

72,193

The Polytherm of a Reciprocal System of Ammonium
and Potassium Chlorides and Nitrates, by A. G. Berg-
man, 16 pp.

R
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Khim, No 1, 1933,
pp 203-216.

SLA R-3301

Sci.

Aug 59

93,533

Complex Formation and Double Decomposition in the
Reciprocal System of Thallium and Lead Chlorides and
Iodides, by I. I. Il'yasov, A. G. Bergman, 17 pp.

RUSSIAN, per, Zhur Georg Khim, Vol II, No 12, 1957,
pp 2771-2781.

ABC-tr-4062
PL-480

Sci - Chem

May 61.

152,641

PST No 89

The Solubility Polytherm of the Boric Acid-Urea-Water System, by M. K. Torpudshiyen, V. F. Boyko, A. G. Bergman, 10 pp.

RUSSIAN, per, Zhur Georg Khim, Vol II, No 12, 1957, pp 2807-2812.

AMC-tr-4062
PI-480

Sci - Chem

May 61

PST No 89

152,646

Physicochemical Investigation of Complex Fertilizers.
Ternary System: $H_2O-NH_4NO_3-NH_4H_2PO_4$, by A. G. Borger,
P. P. Bochkarev, 5 pp.

RUSSIAN, per, Zhur Prii Khim, Vol 7, 1937, PP
1531-1536.

SLA R-3294

Sci

Aug 59

93, 580

Sulfate Nitrophosphate 1. IV. Polythene of the Ternary System: Ammonium Sulfate, Water, Ammonium Monophosphate, by P. V. Dol'chev, A. G. Bergman, 9 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XVII, 1944, pp 520-526.

SLA R-3355

Sci

Aug 59

93, 578

Investigation of Binary Systems of Benzidine with
Phenols and Naphthols by the Methods of Thermal
Analysis, by A. G. Bergman, A. P. Arestenko, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 4, 1957,
pp 867-869.

Consultants Bureau

Sci - Chem
Aug 58

69,2.42,

The Ternary System Benzidine-Phenol-Naphthalene,
by A. G. Bergman, A. P. Arestenko, A. I. Kislova,
6 pp.

RUSSIAN, par, Zhur Obshch Khim, Vol XXVII, No 4,
1957, pp 870-875.

Consultants Bureau

Sci - Chem
Aug 58

69, 243

Physicochemical Analysis of Fused Salt Systems, I.
Electrical Conductivity of Binary Systems of Nitrates,
Chlorides and Iodides of Sodium, Potassium, Thallium,
Mercury and Silver, by A. G. Bergman, I. M. Chagin,
22 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5,
1940, pp 727-738.

Sci Trans Center RT-958

Scientific - Chemistry
CTS/DEX

14,058

Topology of Reciprocal Complex Formations in
Ternary and Quaternary Systems, by A. G. Bergman,
G. A. Bukhalova, 15 pp.

RUSSIAN, per, IZ Sektora Fiz Khim Anal Inst
Obshch Neorg Khim Ak Nauk SSSR, Vol XIX, 1949,
pp 33-50.

ABC Tr 2421

33,259

Sci - Chemistry, Physics
Apr 56

Color Effect of Thermal Conditions in Production of
Red Iron Oxide From Ferrous Sulfate, by L. N.
Uspenskiy, A. G. Bergman, V. Ya. Rodin, 4 pp.

Full tr

RUSSIAN, no per, Zhur Prik Khim, Vol XXVIII, No 9,
1955, pp 1006-1008. CIA C 42516

35,780

Consultants Bureau

Scientific - Chemistry
Jun 56/dax

Quaternary Reciprocal Systems of the Fluorides and Chlorides of Sodium, Potassium, Calcium, and Barium as the Basis for Fluxes for the Remelting of Secondary Light Metals, by G. A. Bukhalova, A. G. Bergman, 8 pp.

RUSSIAN, no par, Zhur Prikl Khim, Vol XXVIII, No 12
Dec 1955, pp 1266-1274. CIA C 43311

Consultants Bureau

Sci - Chemistry

Aug 1956

37,050
(A-55-12)

The Two-ridge Irreversible-reciprocal System of
Potassium and Barium Fluorides and Chlorides, by
E. I. Manashek, A. G. ~~Garganix~~ Bergman, 7 pp.

Science (57)
RUSSIAN, *paper*, Dok Ak Nauk SSSR, Vol LXVII, No 9,
1947, pp 905-906.

Sci. En. Center
RI-1511

Scientific - Chemistry

18, 918

Contribution to question of Complex Formation
Between Chlorides of Alkali Metals and Alkaline-
earth Metals, by E. P. Dergunov, A. G. Dergunov,
7 pp UNCLASSIFIED

RUSSIAN, -pp, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXV, No 6, 1950, pp 815-818.

Sci Tr R Center
RT-1032

Scientific - ~~XXXXXXXX~~ Chemistry

15,365

Phase Diagram of Binary System Water-hydrogen
Peroxide, by K. E. Mironov, and A. G. Bergman.

Full translation.

Shukla, M.
RUSSIAN, *per*, Dok Ak Nauk SSSR, Vol LXXXI, No 6,
1951, pp 1081-1083.

AEC Tr 1319

Sci - Chem

See 922/z-36
A 724

Stratification in the Molten Reciprocal Systems
of Groups I and II Elements, by M. L. Sholokhovich,
D. S. Lesnykh, G. A. Bukhalova, A. G. Bergman,
7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CIII, 1955, pp 261-263.

AEC Tr 2389

31,976

Scientific - Chemistry

Mar 56 CTS/DEX

The Effect of the Formation of a Coordination
Compound Upon Interchange in Reciprocal
Ternary Systems, by A. G. Bergman, G. A. Bukhalova.

RUSSIAN, per, Zhur Obshch Khim, Vol XX, No 2, Feb
1950, pp 245-249.

(Consultants Bureau Tr
(G-50-245)

Scientific - Chemistry

15,880

V
An Investigation of the Ternary System of Calcium,
Potassium and Sodium Nitrates in Melts, by P. I.
Protchenko, A. G. Bergman.

RUSSIAN, no per, Zhur Obshch Khim, Vol. XII, No 8,
Aug 1950, p 1365.

Consultants Bureau

Scientific - Chemistry

14,638

The Reactions of Nitrates and Nitrites of Metals of the First and Second Groups of D. I. Mendeleev's Periodic System in the Molten State. II. Investigation of the Ternary System Consisting of the Nitrates of Strontium-Potassium-Sodium in the Molten State, by P. I. Protsenko, A. G. Bergman, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXI, No 8, Aug 1951, pp 1387-1393.

Consultants Bureau

Scientific - Chemistry

15,882

The Adiaagonal Reciprocal System Consisting of
Calcium and Barium Fluorides and Chlorides, by
G. A. Bakhvalova, A. G. Bergman.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXI, No 9,
Sep 1951, pp 1570-1580. *CIA D 182339*

Consultants Bureau Vol XXI,
No 9, Sep 1951 (*G-51-1721*)

USSR

Scientific - Calcium, fluorides, chlorides, adiaagonal
system

A 725

The Interaction of Nitrate and Nitrites of the Metals of the First and Second Groups of D. I. Mendeleev's Periodic System in the Molten State. III. Research on the Ternary System of Nitrates of Barium-Potassium - Sodium in the Molten State, by P. I. Protchenko, A. G. Bergman.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXI, No 9, Sep 1951, pp 1580-1588. CIA O 182339

Consultants Bureau Vol XXI,
No 9, Sep 1951

USSR

Scientific - Chemistry, nitrate, metals, barium, potassium, sodium, molten state

Double Decomposition in the Absence of a Solvent. LXX
The Irreversible Salt-Pair Reciprocal System of Lith-
ium and Zinc Chlorides and Sulfates, by N. N. Ev-
seva, A. G. Bergman, 12 pp.

Full translation.

RUSSIAN, ^{per}, Zhur Obsh Khim, Vol XXI, No 10, Oct 1951
pp 1763-1773.

Consultants Bureau, ~~USSR~~
(G-51-1745) Q 25 1951

UESR

Scientific - Chemistry

4701

The Problem of the Topology of Ternary Systems With
Complex Formation and With Solid Solutions, by A. G.
Borjagin, E. K. Akopov, 6 pp.

RUSSIAN, par, Zhur Neorgan Khim, Vol II, No 7,
1977, pp 1543-1546.

ABC-tr-4057

Sci - Chemistry

Dec 60

PST 84

134,111

Possibility Diagram in the System from
Chlorides and Nitrates of Potassium and Stron-
tium, by, M. V. Tokareva, A. G. Bergman,

23 pp.

RUSSIAN, per, Journal Neorganicheskoi
Khimii, Vol 2, No 6, 1977, pp 1895-1906.

ADA 77-65-10301

A. G. Bergman

336,227

Del

Aug 67

Diagram of State of Ternary Systems of Fluorides,
Sulfates and Carbonates of Sodium and Potassium, by
A. G. Bergman, V. V. Rableva, 14 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol II, No 7,
1957, pp 1609-1619.

ABC-tr-4057

Sci - Chem Chemistry

Dec 60

PST 84

134,104

Ternary Systems Na Cl, SO_4 , CO_3 , and K Cl, SO_4 ,
 CO_3 , by A. G. Bergman, A. K. Sementsova, 8 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 2, 1958, pp 383-392.

AEC Tr-4450
PL-480

195,277

Sci
May 62
PST 372

Ternary Systems $K_2Cl_2 - Na_2SO_4 - Na_2CO_3$ and
 $Na_2Cl_2 - K_2SO_4 - K_2CO_3$, by A. G. Bergman,
A. K. Sementova, 12 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 2, 1958, pp 393-402.

AEC Tr-4450
PL-480

195,278

Sci
May 62 PST 372

Solid Solution Breakdown in the Reciprocal
System Formed by the Chlorides and Sulfates
of Sodium and Potassium, by E. K. Akopov,
A. G. Bergman,

RUSSIAN, *Per, Zhur Neorg Khim*, Vol IV, No 7,
1959, pp 1653-1656.

Cleaver-Hume Press Ltd.
London

Sci - Chem
Jan 60

106, 388

Double Decomposition in the Absence of A Solvent.
The Formation of Coordination Compounds, Solid Solutions, and Double Decomposition in Molten Calcium and Strontium Fluorides and Chlorides, by G. A. Bakhalova, A. G. Bergman.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 1, Jan 1950, pp 23-31.

Consultants Bureau Vol XXII,
No 1, Jan 1950 (G-52-23)

USSR

Scientific - Calcium, fluorides, chlorides, decomposition, solvents

A 727

The Possibility Diagram of the Ternary System
Potassium Fluoride-Potassium Chloride-Potassium
Chromate, by I.S. Rassonskaya and A.G. Bergman,
4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII,
No 7, Jul 1952, pp 1089-1092.

Consultants Bureau

USSR
Scientific - Chemistry

Feb 54 CTS

9724

Fusion Diagrams of the Ternary Systems:
Potassium Sulfate - Chromate - Nitrate and
Sodium Sulfate - Chromate - Nitrate, by
I. S. Rassonskaya, A. G. Bergman, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 1, 1953, pp 7-13.

Consultants Bureau

Scientific - Chemistry

CTS/DEX

17,999

The Diagonal Sections of the Quaternary
Reciprocal System of the Fluorides, Chlorides,
and Chromates of Sodium and Potassium, by
M. S. Rassonskaya, A. G. Bergman, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 1, 1953, pp 14-19.

Consultants Bureau

(G-53.11)

Scientific - Chemistry CTS/DEX

18,008

An Irreversible-Reciprocal System of the Singular
Type with Layer Formation from the Salt Sulfates
and Chlorides of Lithium and Silver, by
D. S. Leanykh, A. G. Bergman, 6 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XXIII, No 3,
Mar 1953, pp 373-379.

Consultants Bureau (G-53-383)

13,219

Scientific - Chemistry

The Irreversible-Mutual System With Immiscibility
From Lithium and Cadmium Chlorides and Sulfates,
by D. S. Losnykh, A. G. Bergman, 6 pp.
UNCLASSIFIED.

RUSSIAN, per Zhur Obshch Khim, Vol XXIII, No 4,
April 1953, pp ~~537~~ 537-543.

Consultants Bureau Tr (G-53-557)

13,214

Scientific - Chemistry

The Mutual System of Lithium and Cobalt
Sulfates and Chlorides, by D. S. Lesnykh,
A. G. Bergman, 5 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 6, Jun 1953, USSR, pp 894-900.

Consultants Bureau

Scientific - Chemistry

CTB/DEX

18,699

Reciprocal System of the Adiaagonal-Belt
Eutectic Type of Metaphosphates and Sulfates
of Lithium and Potassium, by A. G. Bergman,
M. L. Sholokhovich, 8 pp. 14pp

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 7, Jul 1953, USSR, pp 1073-1084.

Consultants Bureau (G53-1127)
SLA R-2792

Scientific - Chemistry

CTS/DEK

19,423

Complex Formation of the Anion Type, Between Potassium
and Sodium Pyrophosphates and Oxide Salts of the Type
 MO_3 ($M = S, Mo, Cr, W$), by A. G. Bergman, M. L.
Sholokhovich, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 4,
1954, pp 593-596. CIA D 151347

Consultants Bureau

Scientific - Chemistry

25,381

Fusion diagram of the potassium, lithium, fluoride,
pyrophosphate reversible-reciprocal system, by
A. G. Bergman, V. P. Goryacheva, 2 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 6, 1962,
pp 1394-1398.

CS

Sci

Apr 63

~~232,462~~

233,462

Cs, Pb|| Cl, SO₄ adiagonal irreversible reciprocal
system, by A. G. Bergman, G. N. Maslennikova, 2 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 6, 1962,
pp 1382-1386.

CS

Sci

Apr 63

~~232,459~~
233,459

The E. Ld. || Cl, P₂O₇ reciprocal system. by V. P.
Goryacheva, A. G. Bergman, 2 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 5, 1962,
pp 1141-1145.

CS

Sci

Apr 63

133,417

Complex Formation and Double Decomposition in a
Reciprocal System of Sodium and Potassium Pyro-
phosphates and Tungstates, by M. L. Sholokhovitch
and A. G. Bergman, 10 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV,
No 6, Jun 1954, pp 936-946. CIA C 40406

Consultants Bureau

Scientific - Chemistry

Jan 56 CTS/DEX

30,176

Investigation of the Interaction of Formic Acid with
Organic Acids, by A. P. Arestenko, A. G. Bergman,
4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 5,
1959, pp 1744-1748.

Consultants Bureau

Sci

Jul 60

120,494

Investigation of the Ternary Reciprocal System of
the Adingumal-Balt Type Composed of the Sulfates and
Molybdates of Lithium and Potassium, by A. G. Bergman,
A. I. Kislava and E. I. Korobkin, 8 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 7,
1954, pp 1123-1126. CIA C 41479
1127-1134

Consultants Bureau
Scientific - Chemistry 32,968
Apr 56 CHS/dex

Double Decomposition in the Absence of Solvent, I.
Quaternary Reciprocal System of Lithium and Potassium
Chlorides, Sulfates, and Tungstates, by A. G. Bergman
A. I. Kislova, V. I. Posypaiko, 11 pp. REF ID: A66122

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 8,
1954, pp 1304-1314. CIA C 41477

33,273
Consultants Bureau (654-1287)

Scientific - Chemistry
Apr 56 CTS/dax

Interrelationships of Lithium, Sodium and Potassium
Sulfates in Melts. The Ternary System of Lithium,
Sodium and Potassium Sulfates, by E. K. Akopov, A. G.
Bergman, 10 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 9,
Sep 1954, pp 1512-1523. CIA 6 42159.

Consultants Bureau

Sci - Chemistry

Jun 196⁵/Dex

35,135

Reversible-Adiagonal System of Sodium and
Potassium-Chlorides and Sulfates, by E. K.
Akopov, A. G. Bergman, 8 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXIV,
No 9, Sep 1954, pp 1524-1531. CIA C 42159.

Consultants Bureau (G-54-1509)

Sci - Chemistry

Jun 1956/Dex

35,157

Double Decomposition in the Absence of Solvent. II.
The Quaternary Reciprocal System of Lithium, Potassium
Chlorides, Sulfates and Tungstates, by A. G. Bargman,
A. I. Kislova, V. I. Posypaiko, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 10,
Oct 1954, pp 1722-1729. CIA C 42157

Consultants Bureau

35,115 (6-54-1695)

Sci - Chemistry

Jan 56/dex

Investigation of the Ternary Systems of the Chlorides,
Sulfates and Tungstates of Lithium and Potassium, I.
by A. G. Bergman, A. I. Kislova, V. I. Porypako, 6 pp.

Full tx

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 11,
1974, pp 1935-1939. CIA 52761-C, reel 3.

Consultants Bureau

Sci - Chemistry

Aug 56 CTS

37,724

The Reciprocal System of the Chlorides and Sulfates
of Lithium and Calcium, by H. S. Golubeva, A. G.
Bergman, 6 pp.

Full tr

RUSSIAN, no par, Zhur Obshch Khim, Vol XXIV, No 11,
1954, pp 1940-1944. CIA 542761-C, reel 3.

Consultants Bureau

Sci - Chemistry

37725

Aug 56 CTS

Quaternary Reciprocal Systems of the Chlorides and
Sulfates of Lithium, Sodium, and Potassium. I., by
S. K. Akopov A. G. Bergman, 8 pp.

Full translation.

RUSSIAN, no par. Zhur Obshch Khim, Vol XIV, No 1.
Jan 1955, pp 3-11. CIA D 151342

Consultants Bureau (G-55-1)

Scientific - Chemistry

24,547 Jun 55

Investigation of Ternary Systems of the Chlorides,
Sulfates, and Tungstates of Lithium and Potassium. II.,
by A. G. Bergman, A. I. Kislova, V. I. Posypanko, 4 pp.

Full translation.

RUSSIAN, no per. Zhur Obshch Khim, Vol XIV, No 1,
Jan 1955, pp 12-16. CIA D 151342

Consultants Bureau

Scientific - Chemistry

24,549

Jun 55

Singular Irreversible-Reciprocal System With
Separation of the Chlorides and Sulfates of
Lithium and Thallium, by A. G. Bergman, M. L.
Shololshovich, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 3,
USSR, Mar 1955, pp 451-457. CIA C 39388

Consultants Bureau (G-SS-423)

Scientific - Chemistry
CTS 74/Nov 1955

27,978

Irreversible-Reciprocal System of the Chlorides
and Sulfates of Lithium and Strontium, by M. S.
Golubeva, A. G. Bergman, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 3,
USSR, Mar 1955, pp 458-462. CIA C 39388

Consultants Bureau (55-127)

Scientific - Chemistry
CTS 74/Nov 55

27,971

Ternary Reciprocal System of Lithium and Potassium
Sulfates and Tungstates, by A. G. Bergman, A. I.
Kislova, 6 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXV, No 5,
1955, pp 860-866.

Consultants Bureau *Rpt*
(6.55-827)

Scientific - Chemistry

41, 313

✓
Reciprocal System of Silver and Sodium Iodides and
Nitrates, by M. A. Zakharchenko, A. G. Bergman,
8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 5,
1955, pp 867-874.

Consultants Bureau Rpt (6-55-83)

Scientific - Chemistry

41, 515

Visual-Polythermal Investigation of the Solubility
of Salts in a Reciprocal System of Nitrates and
Chlorides of Barium and Calcium at 80, 100, and
120°, by L. N. Uspenskaya, A. G. Bergman, 8 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 7,
1955, pp 1277-1284. CIA C 42051

Consultants Bureau

Scientific - Chemistry
May 56 CTS/dex

34,238